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### AMENDMENTS TO THE CLAIMS

1-11. (Canceled)

12. (New) An optical connector comprising:

at least one optical guide for carrying optical radiations;

a total internal reflection surface upon which, in use, said radiations impinge, so that the radiation in the optical guide is reflected by said surface towards an optical element of the connector; and

means enabling the connector to interlock with any other optical connector which is appropriately matingly configured.

13. (New) An optical connector according to Claim 12, wherein the surface is such that, in use, the radiation in the optical guide may be reflected by said surface towards an optical element of the connector and may alternatively, in use, be such that its internal reflection properties may be frustrated to allow the radiation to pass across the surface.

14. (New) An optical connector according to Claim 12 further comprising means enabling the connector to interlock with any other optical connector which is appropriately matingly configured and which incorporates means which will frustrate the total internal reflection of the first said connector if and when the connector were to be interlocked with any such other connector; and with the interlock-enabling means of the connector being so operatively positioned that, with the connector interlocked to another suitable connector as aforesaid, the total internal reflection surface of the connector will be in sufficient proximity to the total internal reflection frustrating means of the other connector as to allow the optical radiations to pass across the connection then formed by the two interlocking connectors.

15. (New) An optical connector according to Claim 12, wherein said optical element towards which radiation is reflected treats the radiation so that eye-damaging radiation remains within the connector.

16. (New) An optical connector according to Claim 12, wherein said connector comprises a plurality of optical guides.

17. (New) An optical connector according to Claim 12, wherein the interlocking means allow a connector to be first attached in a non-surface frustrating manner and then

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incorporates a mechanism which provides a snap-action final closure for the frustration of the surface.

18. (New) An optical connector according to Claim 16 further comprising additional reflection means between the optical guides and the surface.

19. (New) An optical connector according to Claim 16 further comprising refractive means between the optical guides and the surface which are adapted to change the radiation's direction as emitted from the optical guides to the direction of the radiation incident on the total internal reflection surface.

20. (New) An optical connector according to Claim 16, wherein the total internal reflection surface is located on at least two sides of a prism.

21. (New) A multiple-connector system comprising:

a first optical connector including,

at least one optical guide for carrying optical radiations,

a total internal reflection surface upon which, in use, said radiations impinge, so that the radiation in the optical guide is reflected by said surface towards an optical element of the first connector,

means enabling the connector to interlock with another optical connector which is appropriately matingly configured; and

one or more other optical connectors, each of which other connectors is appropriately matingly configured to interlock with said first optical connector and which incorporates means which will frustrate the total internal reflection of said first connector if and when the other connector were to be interlocked with said first connector,

wherein the interlock-enabling means of said first connector is operatively positioned so that with said first connector interlocked to said other connector as aforesaid, the total internal reflection surface of said first connector will be in sufficient proximity to the total internal reflection frustrating means of said other connector as to allow the optical radiations to pass across the connection then formed by the two interlocking connectors.